Index of Claims

Application/Control No.

09/773,139 Examiner

Jason M. Borlinghaus

Applicant(s)/Patent under Reexamination

OTERO ET AL.

Art Unit

3628

| <b>√</b> | Rejected |
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| ı        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Final Cla              |          |          |  |              |              | <u> </u>     | _  |  | Date   |              |          |          |          |  |          |  | Claim Date     |  |                |  |              |          |
|------------------------|----------|----------|--|--------------|--------------|--------------|--|--|--|--------------|----------|----------|----------|--|----------|--|----------------|--|----------------|--|--------------|----------|
| Final                  | ā        |          |  |              | Į .          |              | П  |  |  |              | <b> </b> |          |          |  | $\neg$   |  |                |  | ٦.             |  |              | Г        |
|                        | Original | 3/3/05   |  |              |              |              |  |  |  |              |          | Final    | Original |  |          |  |                |  |                |  |              |          |
|                        | 1        | •        |  |              |              |              |  |  |  |              |          |          | 51       |  |          |  |                |  |                |  |              |          |
|                        | 2        | •        |  |              | L            |              |  |  |  | L            |          |          | 52       |  |          |  |                |  |                |  | _            | L        |
| $\Box$                 | 3        | -        |  |              | _            |              |  |  |  |              | IJ       |          | 53       | Ш  | _        |  |                | L  | _              |  |              | L        |
| L                      | 4        | _        | L  |              | lacksquare   | <u> </u>     |  |  |  |              |          |          | 54       | Ш  |          |  |                |  |                |  |              | L        |
|                        | 5        | Ŀ        | L  | _            | $oxed{oxed}$ | <u> </u>     |  | _  |  |              |          |          | 55       | Ш  |          |  | _              |  |                |  |              | <u> </u> |
| $\sqcup$               | 6        | Ŀ        | L  | ļ            | _            | _            | <u> </u>   |  |  |              |          |          | 56       | Ш  |          |  |                | <u> </u>   | <u> </u>       | <u> </u>   | <u> </u>     | L        |
| $\vdash$               | 7        | -        | _  | _            |              | ⊢            |  |  |  | <u> </u>     |          |          | 57       | Ш  |          | _  |                | ┡  | <u> </u>       |  | <u> </u>     | ╀        |
| $\vdash$               | 8        | 7        | <u> </u>   | _            | ⊢            | <del> </del> | _  |  |  | _            |          |          | 58       | Ш  |          |  | <u> </u>       | _  | $\vdash$       | <u> </u>   | _            | ╀        |
| $\vdash$               | 9        | 7        | ┝  | ┝            | ┝            | ├            | $\vdash$   | $\vdash$   |  | _            |          |          | 59<br>60 | $\vdash$   | _        | _  | ⊢              | $\vdash$   | -              | -  | <u> </u>     | ╀        |
| $\vdash$               | 10<br>11 | Ŀ        | -  | ┢            | ┢            |              | _  | $\vdash$   | _  |              |          |          | 61       | Н  |          | _  |                | -  |                | $\vdash$   |              | ╁        |
| ₩                      | 12       | -        | $\vdash$   | $\vdash$     | ┢            | ⊢            | $\vdash$   |  |  | _            |          |          | 62       | $\vdash$   | -        | <u> </u>   |                | ┝  | $\vdash$       | $\vdash$   | _            | ╁╴       |
| -                      | 13       | -        | -  | -            | ┢┈           | ⊢            |  |  |  |              |          |          | 63       | Н  |          | $\vdash$   | -              | ╁  | $\vdash$       | ┝  | -            | H        |
|                        | 14       | -        | -  | -            | $\vdash$     | H            | -  |  |  | _            |          |          | 64       | Н  |          | $\vdash$   |                | ┢  | -              | <del>                                     </del> | $\vdash$     | t        |
| $\Box$                 | 15       | -        | <del>                                     </del> |              | $\vdash$     | ┢            | -  |  |  | -            |          |          | 65       | M  |          | $\vdash$   | $\vdash$       | _  |                | Н  | $\vdash$     | T        |
| Н                      | 16       | -        | <del>                                     </del> |              |              |              | H  |  | Н  |              |          |          | 66       |  |          |  |                |  | T              |  |              | ✝        |
|                        | 17       | -        | Г  | T            | T            |              | Г  |  |  |              |          |          | 67       |  |          |  |                |  |                |  |              | Г        |
| 1.                     | 18       | -        | Г  | Г            |              |              |  |  |  |              |          |          | 68       |  |          |  |                |  |                |  |              | Г        |
|                        | 19       | 1        | Г  |              |              |              |  |  |  |              | l l      |          | 69       |  |          |  |                |  |                |  |              | Γ        |
|                        | 20       | 1        |  |              |              |              |  |  |  |              |          |          | 70       |  |          |  |                |  |                |  |              | L        |
|                        | 21       | 1        |  |              |              | <u> </u>     |  |  |  |              |          |          | 71       |  |          | _  |                | 匚  | <u> </u>       | <u> </u>   | L.           | L        |
|                        | 22       | 1        | <u> </u>   |              | L            | L            |  | <u> </u>   |  |              |          |          | 72       |  |          | <u> </u>   | _              |  | <u> </u>       | _  | _            | ┖        |
|                        | 23       | ٧        | ᆫ  | <u> </u>     | _            | _            | _  |  | _  | _            |          |          | 73       |  |          |  |                | <u> </u>   |                | _  | _            | ╀        |
| $\vdash \vdash$        | 24       | <u> </u> | ┡  | _            | <del> </del> | ┡            | <u> </u>   | <u> </u>   | <u> </u>   | ┡            |          |          | 74       | _  |          | L  | <u> </u>       | -  | ⊢              | <u> </u>   | L            | ╀        |
|                        | 25       | 1        | _  | <u> </u>     | ┢            | ⊬            |  | <u> </u>   | -  | <del> </del> |          |          | 75<br>76 | $\vdash$   | _        | ⊢  | -              | <del> </del>                                     | ⊢              | -  |              | ⊬        |
| $\vdash$               | 26<br>27 | 1        | 1  | ⊢            | ⊢            | ├            | -  | ├  | ├─   | ⊢            |          |          | 77       |  | -        | -  | ┢              | -  | ⊢              |  | ⊢            | ╁        |
| $\vdash$               | 28       | V        | $\vdash$   |              | ╁            | ┢            | ⊢  | ┢  | ⊢  | ⊢            |          |          | 78       | $\vdash$   | _        |  |                | ╁  | ⊢              | $\vdash$   | $\vdash$     | ╁        |
| $\vdash$               | 29       | 1        | -  | <del> </del> | 1            | H            | ┢  | -  | $\vdash$   | $\vdash$     |          |          | 79       | -  | _        | $\vdash$   |                | ┢╾   | <u> </u>       |  | $\vdash$     | t        |
|                        | 30       | i        | <b>-</b>   | $\vdash$     | ╁            | -            | ┢  | <del>                                     </del> | $\vdash$   | $\vdash$     | 1        |          | 80       |  | _        |  |                |  | H              | -  | ╁            | t        |
|                        | 31       | i        | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     | <del>                                     </del> | ╁  | <del>                                     </del> |              | 1        |          | 81       |  | -        |  |                | <del>                                     </del> | H              | $\vdash$   |              | t        |
|                        | 32       | 1        |  | †            | t            | t            | <u> </u>   | T  |  |              | ĺ        |          | 82       | T  | Г        | 1  | T              |  |                |  | Г            | T        |
|                        | 33       | 1        | Τ  | T            | T            | T            | Т  | Г  |  |              | 1        |          | 83       | T  |          |  |                |  |                |  | Г            | T        |
| $\Box$                 | 34       | 1        | Π  | I            | Τ            | Τ            |  | Г  | П  |              |          |          | 84       |  |          |  |                |  |                |  |              | Γ        |
|                        | 35       | 1        | L  |              | L            | Ĺ            |  |  | L  |              | ]        |          | 85       |  |          |  |                |  |                |  |              | Γ        |
|                        | 36       | 1        |  |              |              | $\Box$       |  |  |  |              |          |          | 86       |  |          |  |                |  |                |  |              | Ĺ        |
|                        | 37       | V        |  | 匚            |              | 匚            | 匚  | <u> </u>   |  | Ĺ            |          |          | 87       | <u> </u>   | _        | $oxed{oxed}$                                     | L              |  | <u> </u>       |  | <u> </u>     | L        |
|                        | 38       | 1        | L  | L            | L            | $\perp$      | <u> </u>   |  |  | L            |          | L        | 88       | _  | _        | _  | <u> </u>       | ┞-   | $\vdash$       | lacksquare                                       | <u> </u>     | 1        |
| <u></u>                | 39       | 1        | <u> </u>   | ــــ         | 1            | ـــ          | <u> </u>   | <u> </u>   |  | L.           | Į        | <u> </u> | 89       | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>       | <u> </u>   | ┡              | ┞  | 1            | 1        |
| <u> </u>               | 40       | <u> </u> | $\vdash$   | _            |              |              | <u> </u>   | ļ  | ļ  | <u> </u>     |          |          | 90       | <del> </del>                                     |          | $\vdash$   | <del> </del> - |  | <del> </del> — | $\vdash$   | $\vdash$     | ╀        |
| $\vdash \vdash \vdash$ | 41       | $\vdash$ | <del> </del>                                     | $\vdash$     | $\vdash$     | $\vdash$     | ├-   | $\vdash$   | $\vdash$   | $\vdash$     |          | <u> </u> | 91       |  | <u> </u> | $\vdash$   | ├-             | ⊢  | $\vdash$       | ⊬  | ├-           | ╀        |
| $\vdash$               | 42<br>43 | ⊢        | ⊢  | ╁            | ╀            | ╁            | $\vdash$   | ├  | $\vdash$   |              |          |          | 92<br>93 | $\vdash$   | ├        | ⊢  | ┢              | -  | ⊢              | ⊢  | ⊢            | +        |
|                        | 44       | -        | $\vdash$   | -            | $\vdash$     | ╁            | ┼  | ⊢  | 1  | ├            |          | <u> </u> | 94       | ┢  | $\vdash$ | $\vdash$   | $\vdash$       | $\vdash$   | ┼              | -  | $\vdash$     | ╁        |
| $\vdash\vdash\vdash$   | 45       | 1        | $\vdash$   | $\vdash$     | +            | +            | $\vdash$   | $\vdash$   | +  | ⊢            | 1        | ┝        | 95       | +  | ⊢        | $\vdash$   | $\vdash$       | $\vdash$   | +              | t  | <del> </del> | +        |
| $\vdash$               | 46       | $\vdash$ | 十一   | ╁╌           | +            | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | 1        | _        | 96       | <del>                                     </del> | $\vdash$ | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$       | +  | t            | 十        |
| $\vdash$               | 47       | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$     | +            | -  | $\vdash$   | $\vdash$   | $\vdash$     | 1        |          | 97       | t  | H        | <del>                                     </del> | $\vdash$       | $t^-$  | $\vdash$       | $\vdash$   | ⇈            | t        |
| $\vdash$               | 48       | ╁        | $\vdash$   | ╁            | ╁            | t            | 1  | $t^{-}$  | $\vdash$   | $\vdash$     | 1        | <u> </u> | 98       | $t^{-}$  |          | $\vdash$   | T              | $\top$   | $t^-$          | 1-   | ⇈            | t        |
| $\vdash$               | 49       | T        | Т  |              | T            | T            | ✝  | 1  |  |              | 1        |          | 99       |  | Г        | T  | T              |  | T              |  | T            | T        |
| $\Box$                 | 50       | Г        | Π  | 1            | T            |              |  | Γ  |  |              | 1        |          | 100      |  |          |  |                |  | Γ              |  |              | T        |

| Cla      | im       |          |          |          |              | ate      | ;         |          |                                     |              |
|----------|----------|----------|----------|----------|--------------|----------|-----------|----------|-------------------------------------|--------------|
|          |          |          |          |          |              |          | $\neg$    |          |                                     |              |
| Final    | Original |          |          |          |              |          |           |          |                                     |              |
|          | 51       |          |          |          |              |          |           |          |                                     |              |
|          | 52       | _        |          |          | Ш            |          |           | _        | _                                   |              |
|          | 53       |          | _        |          |              | $\Box$   | _         | _        | _                                   |              |
| <u> </u> | 54<br>55 | $\dashv$ |          |          |              |          | -         | _        |                                     |              |
| -        | 56       |          |          |          | -            | $\dashv$ | -         |          |                                     | _            |
| $\vdash$ | 57       | $\neg$   | _        | -        |              | $\dashv$ |           | $\neg$   |                                     |              |
|          | 58       |          |          |          |              |          |           |          |                                     |              |
|          | 59       |          |          |          |              |          |           |          |                                     |              |
|          | 60       |          |          |          |              |          |           |          |                                     | _            |
| L        | 61       |          |          |          |              | Ш        |           |          |                                     |              |
| ļ        | 62       | _        |          | _        |              | Н        | _         |          | _                                   |              |
| -        | 63<br>64 | -        |          | -        | -            | $\vdash$ | -         |          |                                     | _            |
| -        | 65       |          | _        | $\vdash$ | $\vdash$     | Н        | $\dashv$  |          | Н                                   | _            |
| -        | 66       |          | _        | <u> </u> |              | Н        | $\exists$ |          | П                                   |              |
|          | 67       |          |          |          |              |          |           |          |                                     |              |
|          | 68       |          |          |          |              |          |           |          |                                     |              |
|          | 69       |          | _        |          | L            |          |           |          |                                     | _            |
| <u> </u> | 70       |          |          | _        | _            |          |           |          |                                     | _            |
| <u> </u> | 71       |          |          | _        |              | Ш        |           |          |                                     | -            |
| -        | 72<br>73 |          |          | ⊢        | -            |          |           |          |                                     |              |
| -        | 74       | -        |          | ┢─       |              | -        |           |          |                                     | $\vdash$     |
|          | 75       |          |          |          |              | _        |           |          |                                     |              |
|          | 76       |          |          |          |              |          |           |          |                                     |              |
|          | 77       |          |          |          |              | Ш        |           |          |                                     |              |
| <b>├</b> | 78<br>79 |          |          | <u> </u> | <u> </u>     | <u> </u> |           |          | <u> </u>                            |              |
| $\vdash$ | 80       |          | -        | $\vdash$ | -            |          |           |          | <u> </u>                            | ⊢            |
|          | 81       |          |          | ┝        | $\vdash$     | -        |           | -        |                                     | ⊢            |
|          | 81<br>82 |          | H        | -        | 1            |          |           |          | $\vdash$                            |              |
|          | 83       |          |          |          |              |          |           |          |                                     |              |
|          | 84       |          |          |          |              |          |           |          |                                     |              |
|          | 85       |          | _        | _        | _            | <u> </u> | L         |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\vdash$     |
| -        | 86<br>87 |          | <u> </u> | ├        | $\vdash$     | -        | H         | _        | ├                                   | -            |
| -        | 88       |          | -        | $\vdash$ | ╁            | ┢        |           | $\vdash$ | $\vdash$                            | $\vdash$     |
|          | 89       | -        | -        | -        | <u> </u>     | -        | Н         | $\vdash$ | -                                   | <del> </del> |
|          | 90       |          | ┢        |          |              |          |           |          |                                     |              |
|          | 91       |          |          |          |              |          |           |          |                                     |              |
|          | 92       |          | <u> </u> | L        | L            | _        |           | L        |                                     | L            |
|          | 93       | <u> </u> | $\vdash$ | ļ        | ┡            | $\vdash$ | ├         | <u> </u> | <u> </u>                            | <u> </u>     |
| $\vdash$ | 94<br>95 |          | ├        | $\vdash$ | $\vdash$     | $\vdash$ | ├         | $\vdash$ | -                                   | Ͱ            |
| $\vdash$ | 96       |          | ⊢        | $\vdash$ | ⊢            | $\vdash$ | $\vdash$  | -        | -                                   | $\vdash$     |
| $\vdash$ | 97       |          | H        | -        | T            | ╁        |           | $\vdash$ | $\vdash$                            | <u> </u>     |
|          | 98       |          |          |          |              |          |           |          |                                     | Ė            |
|          | 99       |          |          |          |              |          |           |          |                                     |              |
|          | 100      | i        | i        |          | $\Gamma^{-}$ |          | I         | Γ        | ı —                                 |              |

| Cla  | aim        |  |            |              |          | Date     | •  |          | _        |          |
|--|------------|--|------------|--------------|----------|----------|--|----------|----------|----------|
| Final  | Original   |  |            |              |          |          |  |          |          |          |
|  | 101        |  |            |              |          |          |  |          |          |          |
|  | 102        |  |            |              |          |          |  |          |          |          |
|  | 103        |  |            |              |          |          |  |          |          |          |
|  | 104        |  |            |              |          |          |  |          |          |          |
|  | 105        |  |            |              |          |          |  |          |          |          |
|  | 106        |  |            |              |          |          |  |          |          |          |
|  | 107        |  |            |              |          |          | $ldsymbol{ld}}}}}}$ |          |          | L_       |
| <u></u>  | 108        |  |            | Ш            |          | _        |  |          | _        |          |
| <u></u>  | 109        |  |            |              |          | _        |  |          | _        |          |
| <u></u>  | 110        |  |            | <u> </u>     | <u> </u> | L.       | $oxed{oxed}$   |          | <u> </u> | <u> </u> |
| $\vdash$   | 111        |  |            | <u> </u>     | ļ        |          | _  |          | Ш        | L        |
|  | 112        |  |            | <u> </u>     | <u>_</u> | <u> </u> |  | _        | _        | <u> </u> |
| <u> </u>   | 113        | _  | <u> </u>   | _            | <u> </u> | _        | $\sqcup$   |          | _        | L        |
| L.   | 114        |  | lacksquare | _            | _        | _        | Ш  |          |          |          |
| <u></u>  | 115        |  | _          | <u> </u>     | ╙        | <u> </u> | ļ  | _        | <u> </u> | ļ        |
|  | 116        |  |            | ╙            | <u> </u> | _        | <u> </u>   |          | _        | ┡        |
| <u> </u>   | 117        |  | _          | _            | ╙        | <u> </u> | <u> </u>   |          | <u> </u> |          |
|  | 118        | ļ  | _          | ╙            | <u> </u> | <u> </u> | <u> </u>   | _        | ┡        | L        |
|  | 119        | <u> </u>   | <u> </u>   | <u> </u>     | _        | _        | _  | _        | -        | _        |
|  | 120        | <u> </u>   | <u> </u>   | _            |          | _        | _  | ╙        | _        | Ļ        |
|  | 121        |  |            | _            | <u> </u> | _        | _  | <u> </u> | _        | <u> </u> |
|  | 122<br>123 |  | <u> </u>   | _            | <u> </u> | _        | ┞  | _        | <u> </u> | ⊢        |
|  | 123        |  | <u> </u>   | ┞            | <u> </u> | ┞-       |  | <u> </u> | _        | ┡        |
|  | 124        | _  | ┡          | -            | <u> </u> | <u> </u> | <u> </u>   | <u> </u> |          | ⊢        |
|  | 125<br>126 | _  | <u> </u>   | ⊢            | <u> </u> | ⊢        | -  | ├        | -        | ┝        |
| -  | 126        | <u> </u>   | _          | ļ            | H        | -        | ┢  | ┝        | H        | ⊢        |
| -  | 127        | -  | $\vdash$   | ⊢            | -        | -        | ⊢  | ⊢        | ⊢        | $\vdash$ |
| -  | 128<br>129 | _  | -          | ├            | $\vdash$ | -        | -  | -        | ⊢        |          |
| -  | 130        | _  |            | ┢            | -        |          | ⊢  |          | ⊢        | H        |
|  | 131        | ┢  | -          | ┢            | -        | -        | ⊢  | -        | ╢        | ├        |
|  | 132        | $\vdash$   | -          | $\vdash$     | ├-       | -        | ⊢  | ⊢        | $\vdash$ | ⊢        |
| $\vdash$   | 132        | ⊢  | $\vdash$   | ╀            | ├        | ├        | ┢  |          | H        | $\vdash$ |
| <u> </u>   | 133<br>134 | ⊢  | ┢          | -            | ├        | -        | H  |          | H        | $\vdash$ |
| -  | 135        | $\vdash$   | $\vdash$   | +-           | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ |
| $\vdash$   | 136        | $\vdash$   | $\vdash$   | $\vdash$     | ╁        | t        | $\vdash$   | H        | $\vdash$ |          |
| <del>                                     </del> | 136<br>137 | $\vdash$   |            | <del> </del> | t        | t        | $\vdash$   | H        | $t^-$    | $\vdash$ |
|  | 138        | Н  | $\vdash$   | 1            | $\vdash$ | ╁╴       | ╁  | 1        | ╁╌       | H        |
|  | 138<br>139 | $\vdash$   | ┢          | $\vdash$     | $\vdash$ | t        | 1  |          | t        |          |
|  | 140        | <del>                                     </del> | t          | 1            | Т        | 1        |  |          | T        | $\vdash$ |
|  | 141        | Т  | Т          | t            | <u> </u> |          | T  | T        |          | T        |
|  | 142        | Г  | Г          | T            | T        | <u> </u> | T  | $I^-$    |          | T        |
|  | 143        |  | Г          | Π            | T        | 1        |  | T        | 1        | Τ        |
|  | 144        | $\vdash$   |            | T            |          | П        |  | Π        | Г        |          |
|  | 145        |  |            | 1            |          |          |  |          | П        |          |
|  | 146        | Г  | Г          | 1            | 1        | T        | T  | $I^-$    |          | Γ        |
|  | 147        |  | T-         |              | 1        |          | T  |          |          |          |
| <b> </b>   | 148        | 1  | $I^-$      | 1            | T        | T        | T  | T        | T        | T        |
|  | 149        | Ī  | 1          | 1            | Т        | П        | T  |          | Π        | Γ        |
|  | 150        | Ī  | Π          |              | Π        |          |  | Π        | Π        |          |